



SEQUENCE LISTING

<110> Seed, Brian
Romeo, Charles
Kolanus, Waldemar

<120> Redirection of Cellular Immunity by
Receptor Chimeras

<130> 00786/270002

<140> US 09/243,008

<141> 1999-02-02

<150> US 08/394,176

<151> 1995-02-24

<150> US 08/203,866

<151> 1994-02-28

<150> US 07/847,566

<151> 1992-03-06

<150> US 07/665,961

<151> 1991-03-07

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Lys Gly Asp Thr Val Glu Leu Thr Cys Thr Ala Ser Gln Lys Lys Ser
35          40          45
Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys Ile Leu Gly Asn
50          55          60
Gln Gly Ser Phe Leu Thr Lys Gly Pro Ser Lys Leu Asn Asp Arg Ala
65          70          75          80
Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe Pro Leu Ile Ile
85          90          95
Lys Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile Cys Glu Val Glu
100          105          110
Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly Leu Thr Ala Asn
115          120          125
Ser Asp Thr His Leu Leu Gln Gly Gln Ser Leu Thr Leu Thr Leu Glu
130          135          140
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Lys Asn Ile Gln Gly Gly Lys Thr Leu Ser Val Ser Gln Leu Glu Leu
165          170          175
Gln Asp Ser Gly Thr Trp Thr Cys Thr Val Leu Gln Asn Gln Lys Lys
180          185          190
Val Glu Phe Lys Ile Asp Ile Val Val Leu Ala Phe Gln Lys Ala Ser
195          200          205
Ser Ile Val Tyr Lys Lys Glu Gly Glu Gln Val Glu Phe Ser Phe Pro
210          215          220
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225          230          235          240
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Lys Asn Lys Glu Val Ser Val Lys Arg Val Thr Gln Asp Pro Lys Leu

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Thr	Lys	Gly	Glu	Arg	Arg	Arg	Gly	Lys	Gly	His	Asp	Gly	Leu	Tyr	Gln	
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Glu	Ser	Thr	Gln	Gln	Ser	Ser	Gln	Ser	Cys	Ala	Ser	Val	Phe	Ser	Ile	
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<212> PRT

<213> Homo sapiens

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 180 185 190
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 225 230 235 240
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 Pro Gln Tyr Ala Gly Ser Gly Asn Leu Thr Leu Ala Leu Glu Ala Lys
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 Lys Val Leu Pro Thr Trp Ser Thr Pro Val His Ala Asp Pro Gln Leu
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 Cys Tyr Ile Leu Asp Ala Ile Leu Phe Leu Tyr Gly Ile Val Leu Thr
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 485 490 495
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35 40 45
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65 70 75 80
Asp Lys Glu Ser Thr Val Gln Val His Tyr Arg Met Cys Gln Ser Cys
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 50 55 60
 Leu Gln Ser Asn Ile Thr Trp Pro Pro Val Pro Leu Gly Pro Gly Gln
 65 70 75 80
 Gly Thr Thr Gly Gln Leu Phe Phe Pro Glu Val Asn Lys Asn Thr Gly
 85 90 95

Ala Cys Thr Gly Cys Gln Val Ile Glu Asn Asn Ile Leu Lys Arg Ser
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 Cys Gly Thr Tyr Leu Arg Val Arg Asn Pro Val Pro Arg Pro Phe Leu
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 145 150 155 160
 Lys Arg Trp Gln Asn Glu Lys Phe Gly Val Asp Met Pro Asp Asp Tyr
 165 170 175
 Glu Asp Glu Asn Leu Tyr Glu Gly Leu Asn Leu Asp Asp Cys Ser Met
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 <212> PRT
 <213> Homo sapiens

<400> 27
 Met Ala Thr Leu Val Leu Ser Ser Met Pro Cys His Trp Leu Leu Phe
 1 5 10 15
 Leu Leu Leu Leu Phe Ser Gly Glu Pro Val Pro Ala Met Thr Ser Ser
 20 25 30
 Asp Leu Pro Leu Asn Phe Gln Gly Ser Pro Cys Ser Gln Ile Trp Gln
 35 40 45
 His Pro Arg Phe Ala Ala Lys Lys Arg Ser Ser Met Val Lys Phe His
 50 55 60
 Cys Tyr Thr Asn His Ser Gly Ala Leu Thr Trp Phe Arg Lys Arg Gly
 65 70 75 80
 Ser Gln Gln Pro Gln Glu Leu Val Ser Glu Glu Gly Arg Ile Val Gln
 85 90 95
 Thr Gln Asn Gly Ser Val Tyr Thr Leu Thr Ile Gln Asn Ile Gln Tyr
 100 105 110
 Glu Asp Asn Gly Ile Tyr Phe Cys Lys Gln Lys Cys Asp Ser Ala Asn
 115 120 125
 His Asn Val Thr Asp Ser Cys Gly Thr Glu Leu Leu Val Leu Gly Phe
 130 135 140
 Ser Thr Leu Asp Gln Leu Lys Arg Arg Asn Thr Leu Lys Asp Gly Ile
 145 150 155 160
 Ile Leu Ile Gln Thr Leu Leu Ile Ile Leu Phe Ile Ile Val Pro Ile
 165 170 175
 Phe Leu Leu Leu Asp Lys Asp Asp Gly Lys Ala Gly Met Glu Glu Asp
 180 185 190
 His Thr Tyr Glu Gly Leu Asn Ile Asp Gln Thr Ala Thr Tyr Glu Asp
 195 200 205
 Ile Val Thr Leu Arg Thr Gly Glu Val Lys Trp Ser Val Gly Glu His
 210 215 220
 Pro Gly Gln Glu
 225

<210> 28

<211> 16
<212> PRT
<213> Homo sapiens

<400> 28
Gln Ser Phe Gly Leu Leu Asp Pro Lys Leu Cys Tyr Leu Leu Asp Gly
1 5 10 15

<210> 29
<211> 19
<212> PRT
<213> Homo sapiens

<400> 29
Pro Thr Trp Ser Thr Pro Val His Ala Asp Pro Lys Leu Cys Tyr Leu
1 5 10 15
Leu Asp Gly

<210> 30
<211> 12
<212> PRT
<213> Homo sapiens

<400> 30
Leu Gly Glu Pro Gln Leu Cys Tyr Ile Leu Asp Ala
1 5 10

<210> 31
<211> 19
<212> PRT
<213> Homo sapiens

<400> 31
Pro Thr Trp Ser Thr Pro Val His Ala Asp Pro Gln Leu Cys Tyr Ile
1 5 10 15
Leu Asp Ala

<210> 32
<211> 16
<212> PRT
<213> Homo sapiens

<400> 32
Gln Ser Phe Gly Leu Leu Asp Pro Lys Leu Cys Tyr Leu Leu Asp Gly
1 5 10 15

<210> 33
<211> 16
<212> PRT
<213> Homo sapiens

<400> 33

Phe Ser Pro Pro Gly Ala Asp Pro Lys Leu Cys Tyr Leu Leu Asp Gly
1 5 10 15

<210> 34

<211> 142

<212> PRT

<213> Homo sapiens

<400> 34

Gln Ser Phe Gly Leu Leu Asp Pro Lys Leu Cys Tyr Leu Leu Asp Gly
1 5 10 15
Ile Leu Phe Ile Tyr Gly Val Ile Leu Thr Ala Leu Phe Leu Arg Val
20 25 30
Lys Phe Ser Arg Ser Ala Glu Pro Ala Tyr Gln Gln Gly Gln Asn
35 40 45
Gln Leu Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu Glu Tyr Asp Val
50 55 60
Leu Asp Lys Arg Arg Gly Arg Asp Pro Glu Met Gly Gly Lys Pro Arg
65 70 75 80
Arg Lys Asn Pro Gln Glu Gly Leu Tyr Asn Glu Leu Gln Lys Asp Lys
85 90 95
Met Ala Glu Ala Tyr Ser Glu Ile Gly Met Lys Gly Glu Arg Arg Arg
100 105 110
Gly Lys Gly His Asp Gly Leu Tyr Gln Gly Leu Ser Thr Ala Thr Lys
115 120 125
Asp Thr Tyr Asp Ala Leu His Met Gln Ala Leu Pro Pro Arg
130 135 140

<210> 35

<211> 35

<212> PRT

<213> Homo sapiens

<400> 35

Arg Val Lys Phe Ser Arg Ser Ala Glu Pro Pro Ala Tyr Gln Gln Gly
1 5 10 15
Gln Asn Gln Leu Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu Glu Tyr
20 25 30
Asp Val Leu
35

<210> 36

<211> 32

<212> PRT

<213> Homo sapiens

<400> 36

Lys Lys Leu Val Lys Lys Phe Arg Gln Lys Lys Gln Arg Gln Asn Gln
1 5 10 15
Leu Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu Glu Tyr Asp Val Leu
20 25 30

<210> 37
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 37
 Arg Thr Gln Ile Lys Lys Leu Cys Ser Trp Arg Asp Lys Asn Ser Ala
 1 5 10 15
 Ala Asn Gln Leu Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu Glu Tyr
 20 25 30
 Asp Val Leu
 35

<210> 38
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 38
 Arg Thr Arg Phe Ser Arg Ser Ala Glu Pro Pro Ala Tyr Gln Gln Gly
 1 5 10 15
 Gln Asn Gln Leu Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu Glu Tyr
 20 25 30
 Asp Val Leu
 35

<210> 39
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 39
 Arg Thr Arg Asp Pro Glu Met Gly Gly Lys Pro Arg Arg Lys Asn Pro
 1 5 10 15
 Gln Glu Gly Leu Tyr Asn Glu Leu Gln Lys Asp Lys Met Ala Glu Ala
 20 25 30
 Tyr Ser Glu Ile
 35

<210> 40
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 40
 Arg Thr Arg Ile Gly Met Lys Gly Glu Arg Arg Arg Gly Lys Gly His
 1 5 10 15
 Asp Gly Leu Tyr Gln Gly Leu Ser Thr Ala Thr Lys Asp Thr Tyr Asp
 20 25 30
 Ala Leu His Met Gln Ala
 35

<210> 41
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 41

Arg	Lys	Lys	Arg	Ile	Ser	Ala	Asn	Ser	Thr	Asp	Pro	Val	Lys	Ala	Ala
1				5					10					15	
Gln	Phe	Glu	Pro	Pro	Gly	Arg	Gln	Met	Ile	Ala	Ile	Arg	Lys	Arg	Gln
			20					25					30		
Leu	Glu	Glu	Thr	Asn	Asn	Asp	Tyr	Glu	Thr	Ala	Asp	Gly	Gly	Tyr	Met
			35				40					45			
Thr	Leu	Asn	Pro	Arg	Ala	Pro	Thr	Asp	Asp	Asp	Lys	Asn	Ile	Tyr	Leu
	50					55					60				
Thr	Leu	Pro	Pro	Asn	Asp	His	Val	Asn	Ser	Asn	Asn				
65					70					75					